

SabreBond™ SMP62



SabreBond SMP62 is a very high quality, hybrid polymer adhesive with long open time, for bonding and sealing metals, composites, glass, wood and plastics in recreational vehicle, mass transportation and commercial vehicle applications.

Benefits

- Long open time for use in hot / humid environments.
- High-performance mechanical properties.
- Combines high-stiffness with high bond strength.
- High green strength and high shear strength after full cure.
- Does not contain isocyanates, silicone, solvent.
- Can be sanded after full cure.
- Flexible elastic rubber - movement accommodation up to 20%.
- No bubble formation within sealant (in high temperature and humidity applications).
- Very easy to tool and finish.
- Colour stability and UV resistance.
- Withstands all climatic conditions.
- Minimal health and safety considerations.

Applications

- For use in glass bonding applications in the car, coach, caravan, marine, train, aerospace industries, where a tough and flexible bond is required.
- Structural elastic bonding between metal surfaces, coated surfaces and many plastics (not PE, PP, Teflon).
- Structural bonding in vibrating constructions.
- Backfilling / seaming between glass and body side.

Technical Characteristics

Base Material	MS Polymer
Consistency	Stable Paste
Curing system	Moisture
Through cure rate (mm/24hrs)	3
Density (kg/l)	1.43
Elasticity modulus at 100% (N/mm²) ISO 37	1
Elongation at break (%) ISO 37	>500
Tensile strength (N/mm²) ISO 37	>2.5
Max open time (mins)	60
Shear strength (N/mm²) ASTM D1002 - rate - 6mm/min	>2.5
Shore a hardness ±5	60
Skin over time (mins)	34
Viscosity C&P @ 0.6 s⁻¹ (Pa.s)	1600
Volume alteration (%)	<1.5
Colour stability UV exposure ASTM G154 (CIELab - E)	0.41

(*) These values may vary depending on environmental factors, such as: temperature, moisture and type of substrates.

Packaging & Shelf Life

Available colours: • Black

Packaging size: • Foil packs 600ml

Shelf life: 12 months in unopened packaging, in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Nature: Clean, dry, free of dust and grease.

Priming: We recommend the use of Sabre® Surface Activator on non-porous surfaces. We recommend preliminary compatibility tests prior to application.

Application

Method: Manual or pneumatic applicator.

Application temperature: +1°C until +30°C.

Cleaning: White Spirit or Sabre® Surface Cleaner immediately after application and before curing.

Tooling: Soapy solution before skin formation.

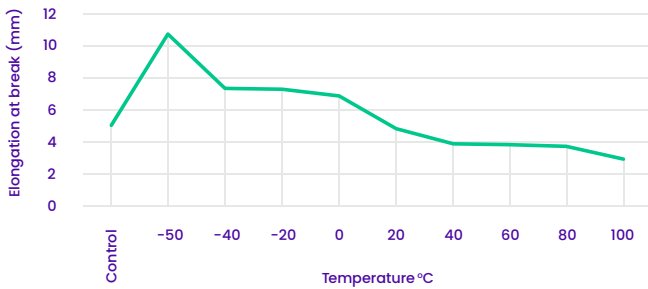
Repair with: Sabre SMP62

Resistance to chemical agents

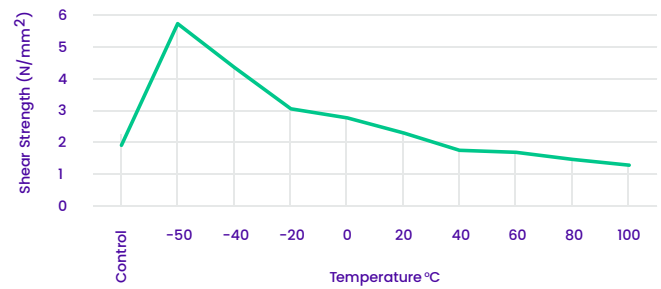
Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrogen's.

Elongation at break (ASTM D1002)

25mm overlapped joint



Base temperature resistance (ASTM D1002)



Reviewed January 2023
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IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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